Digital Imaging System 10

Figure 1

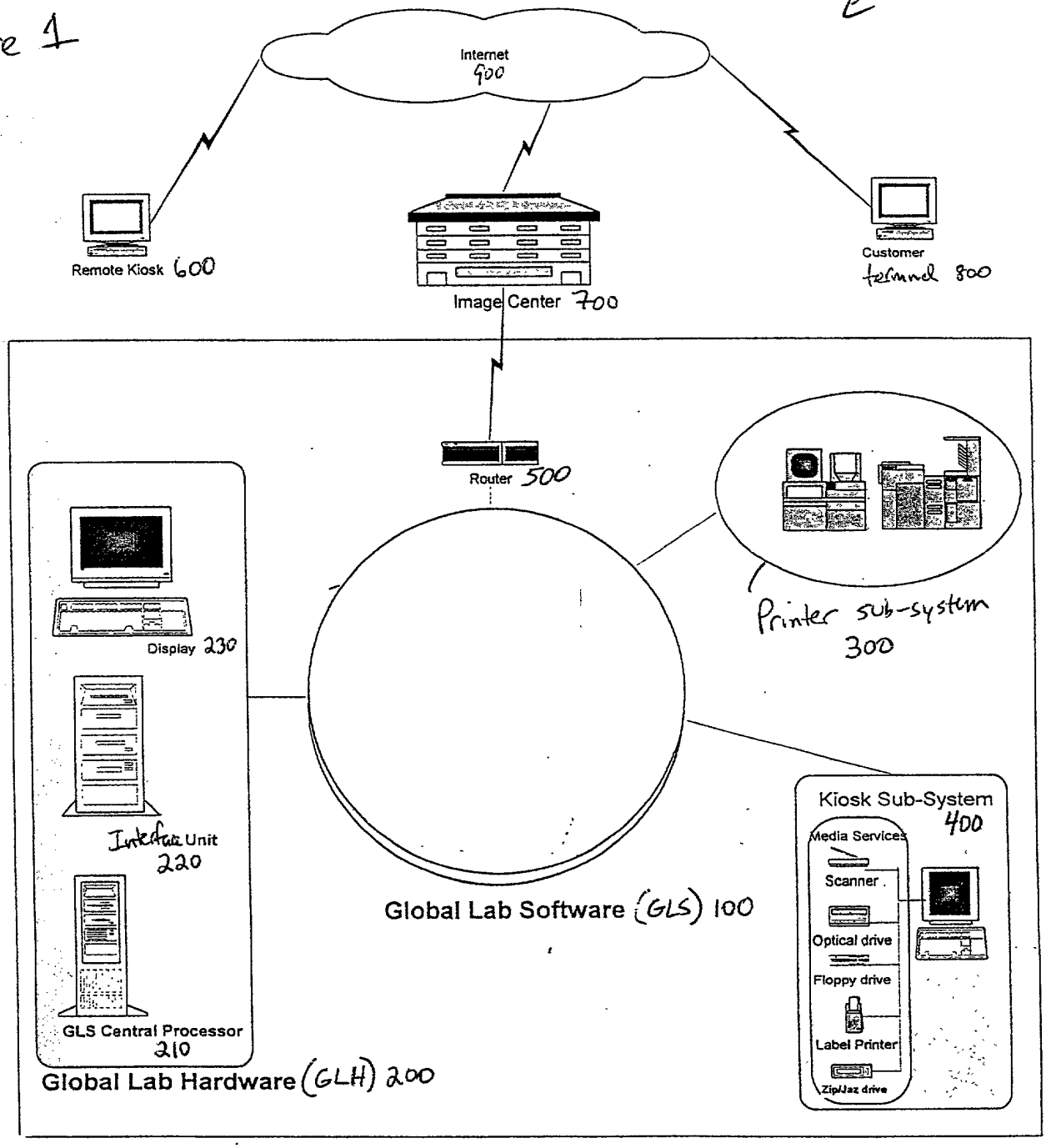


Figure 2

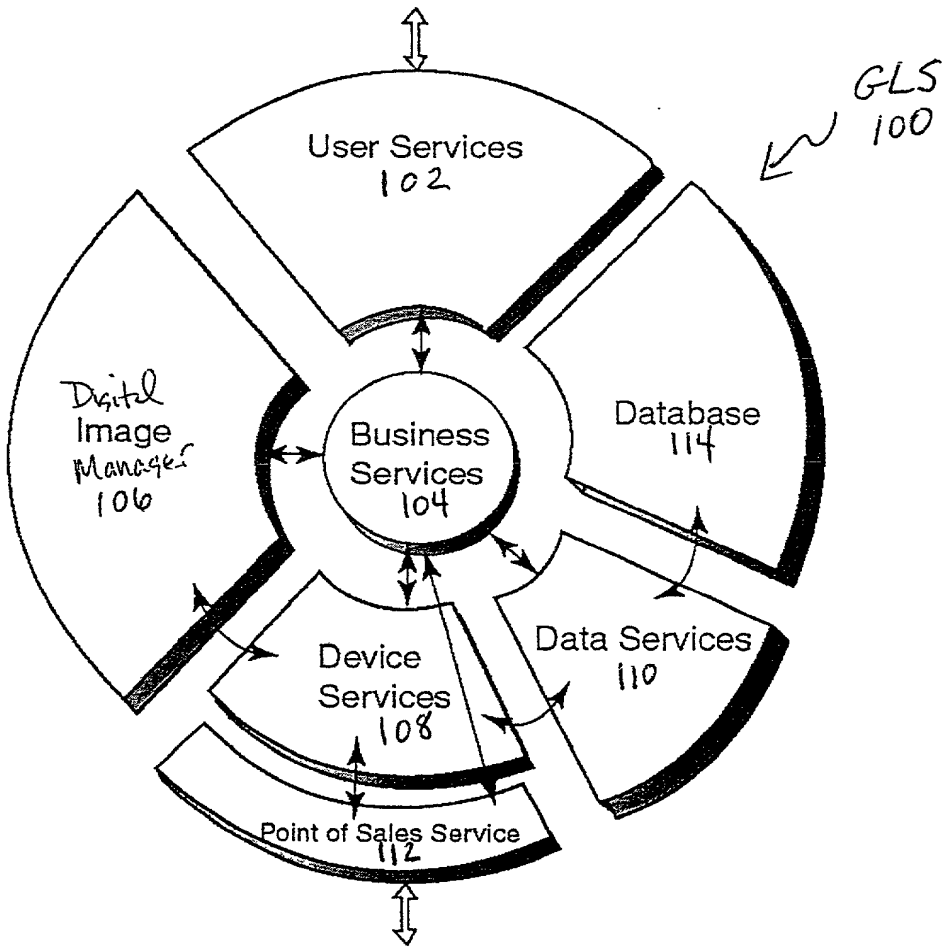

to user
GLS
100
User Services
102
Digital
Image
Manager
106
Business
Services
104
Database
114
Device
Services
108
Data Services
110
Point of Sales Service
112

Figure 3

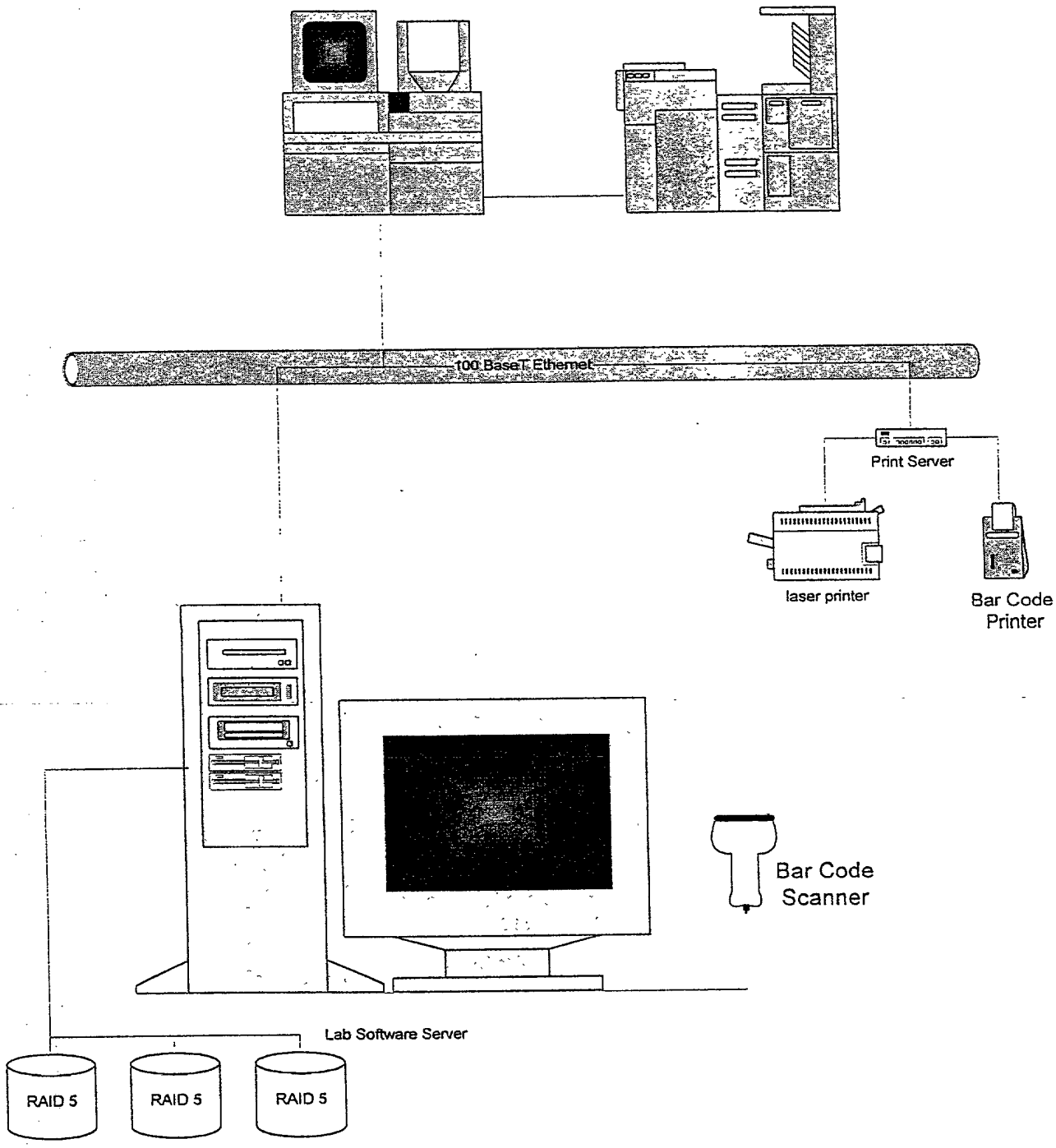

100 BaseT Ethernet
Print Server
laser printer
Bar Code Printer
Bar Code Scanner
Lab Software Server
RAID 5
RAID 5
RAID 5

Figure 4

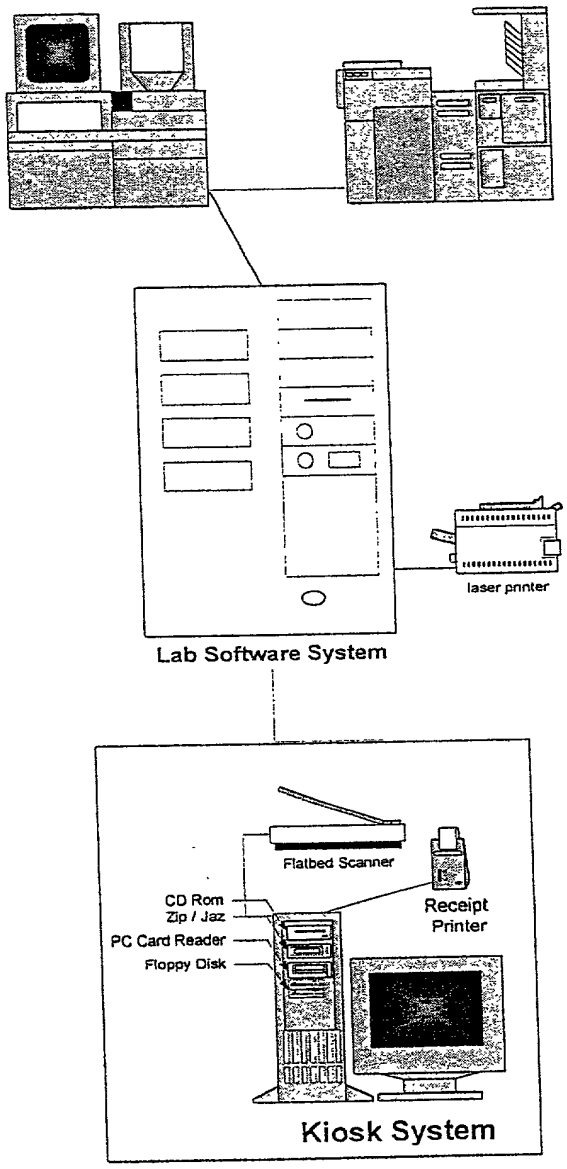

laser printer
Lab Software System
Flatbed Scanner
CD Rom
Zip / Jaz
PC Card Reader
Floppy Disk
Receipt
Printer
Kiosk System

Figure 5

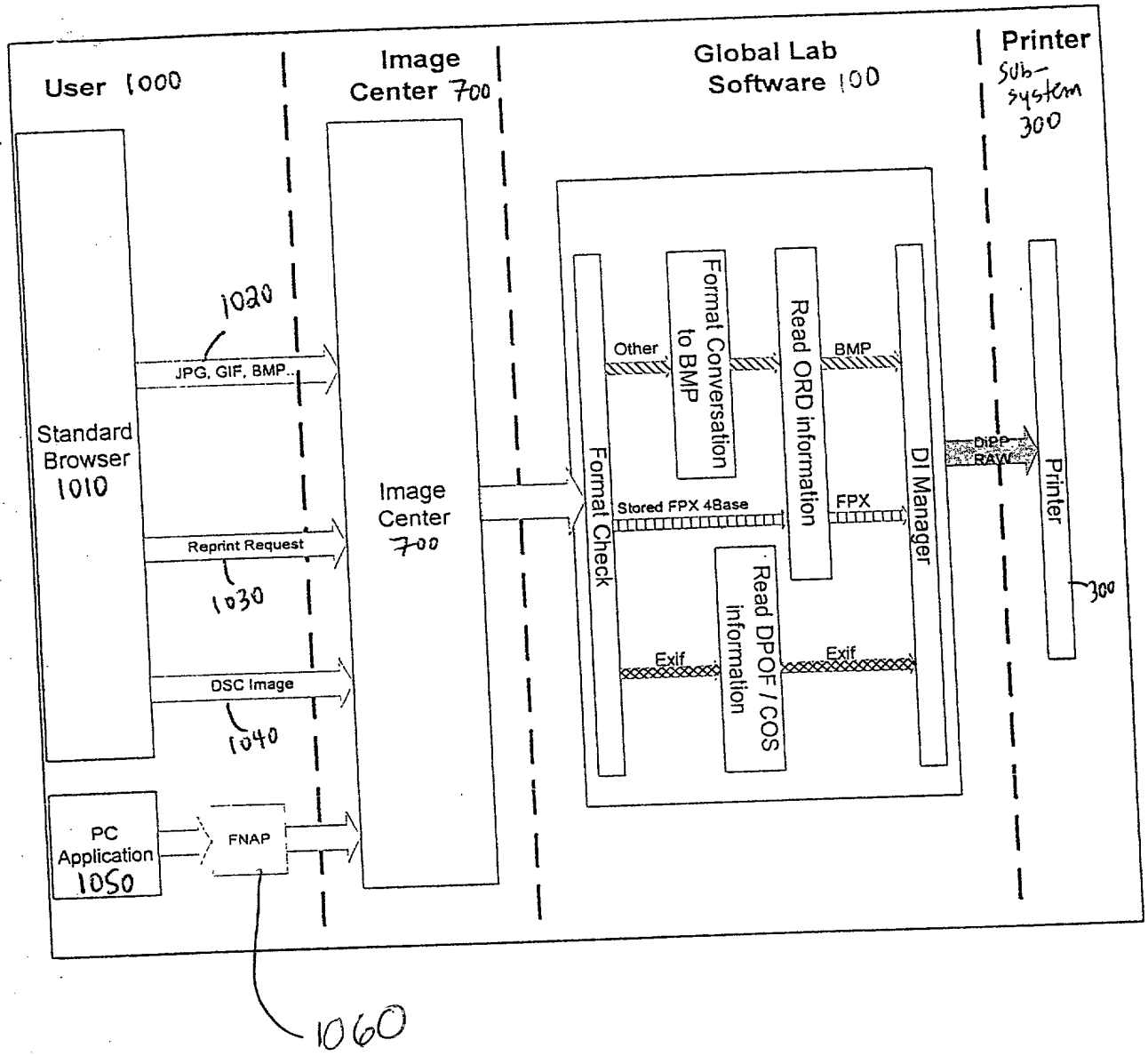

User 1000
Image Center 700
Global Lab Software 100
Printer Sub-system 300
Standard Browser 1010
1020
JPG, GIF, BMP...
Reprint Request
1030
DSC Image
1040
PC Application 1050
FNAP
1060
Image Center 700
Format Check
Format Conversation to BMP
Other
BMP
Read ORD information
DI Manager
DIPP RAW
Printer
300
Stored FPX 48ase
FPX
Read DPOF / COS information
Exif
Exif

Figure 6

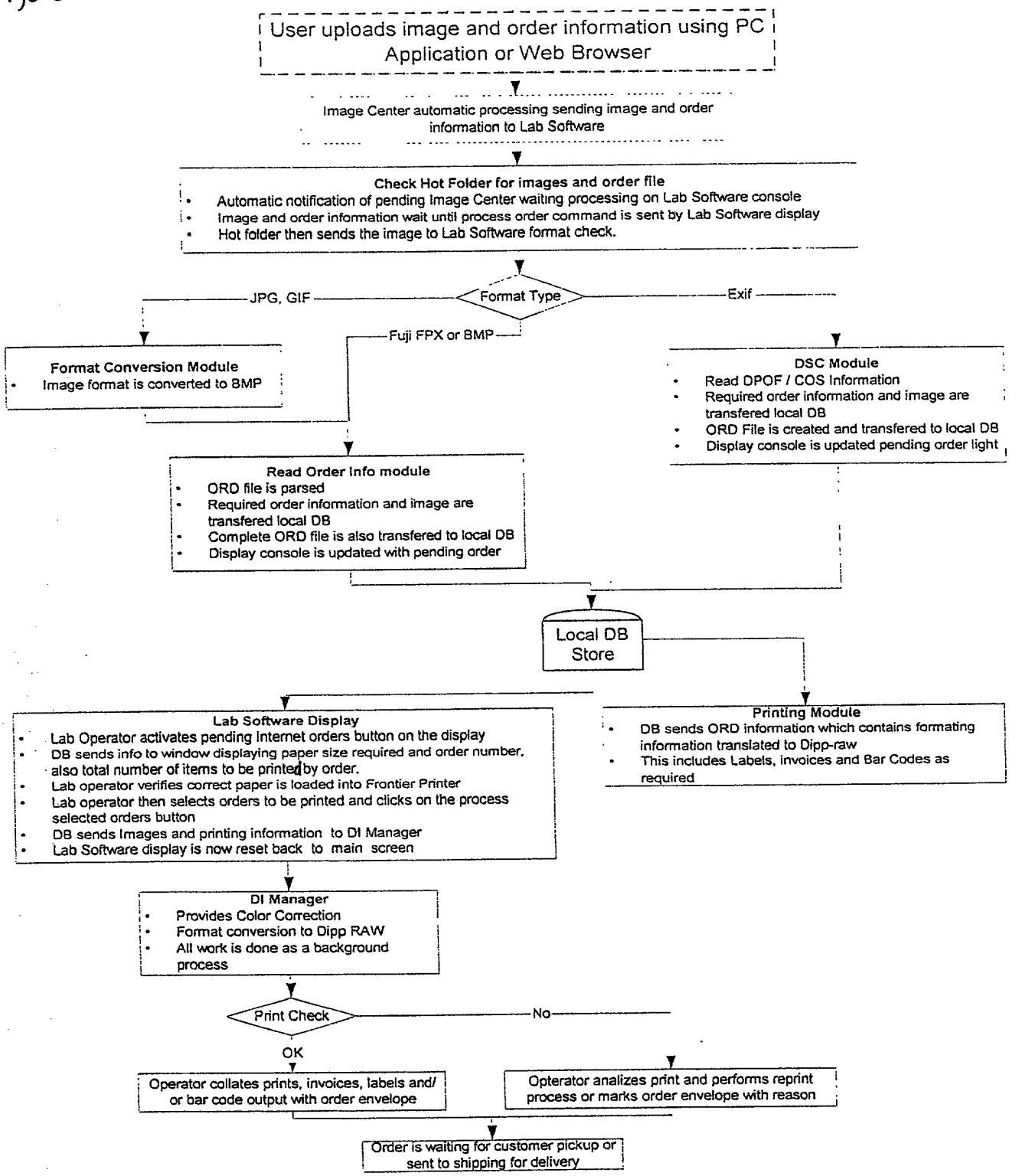

User uploads image and order information using PC Application or Web Browser
Image Center automatic processing sending image and order information to Lab Software
Check Hot Folder for images and order file
• Automatic notification of pending Image Center waiting processing on Lab Software console
• Image and order information wait until process order command is sent by Lab Software display
• Hot folder then sends the image to Lab Software format check.
Format Type
JPG, GIF
Exif
Fuji FPX or BMP
Format Conversion Module
• Image format is converted to BMP
DSC Module
• Read DPOF / COS Information
• Required order information and image are transfered local DB
• ORD File is created and transfered to local DB
• Display console is updated pending order light
Read Order Info module
• ORD file is parsed
• Required order information and image are transfered local DB
• Complete ORD file is also transfered to local DB
• Display console is updated with pending order
Local DB Store
Lab Software Display
• Lab Operator activates pending Internet orders button on the display
• DB sends info to window displaying paper size required and order number, also total number of items to be printed by order.
• Lab operator verifies correct paper is loaded into Frontier Printer
• Lab operator then selects orders to be printed and clicks on the process selected orders button
• DB sends Images and printing information to DI Manager
• Lab Software display is now reset back to main screen
Printing Module
• DB sends ORD information which contains formating information translated to Dipp-raw
• This includes Labels, invoices and Bar Codes as required
DI Manager
• Provides Color Correction
• Format conversion to Dipp RAW
• All work is done as a background process
Print Check
No
OK
Operator collates prints, invoices, labels and/ or bar code output with order envelope
Opterator analizes print and performs reprint process or marks order envelope with reason
Order is waiting for customer pickup or sent to shipping for delivery

Figure 7

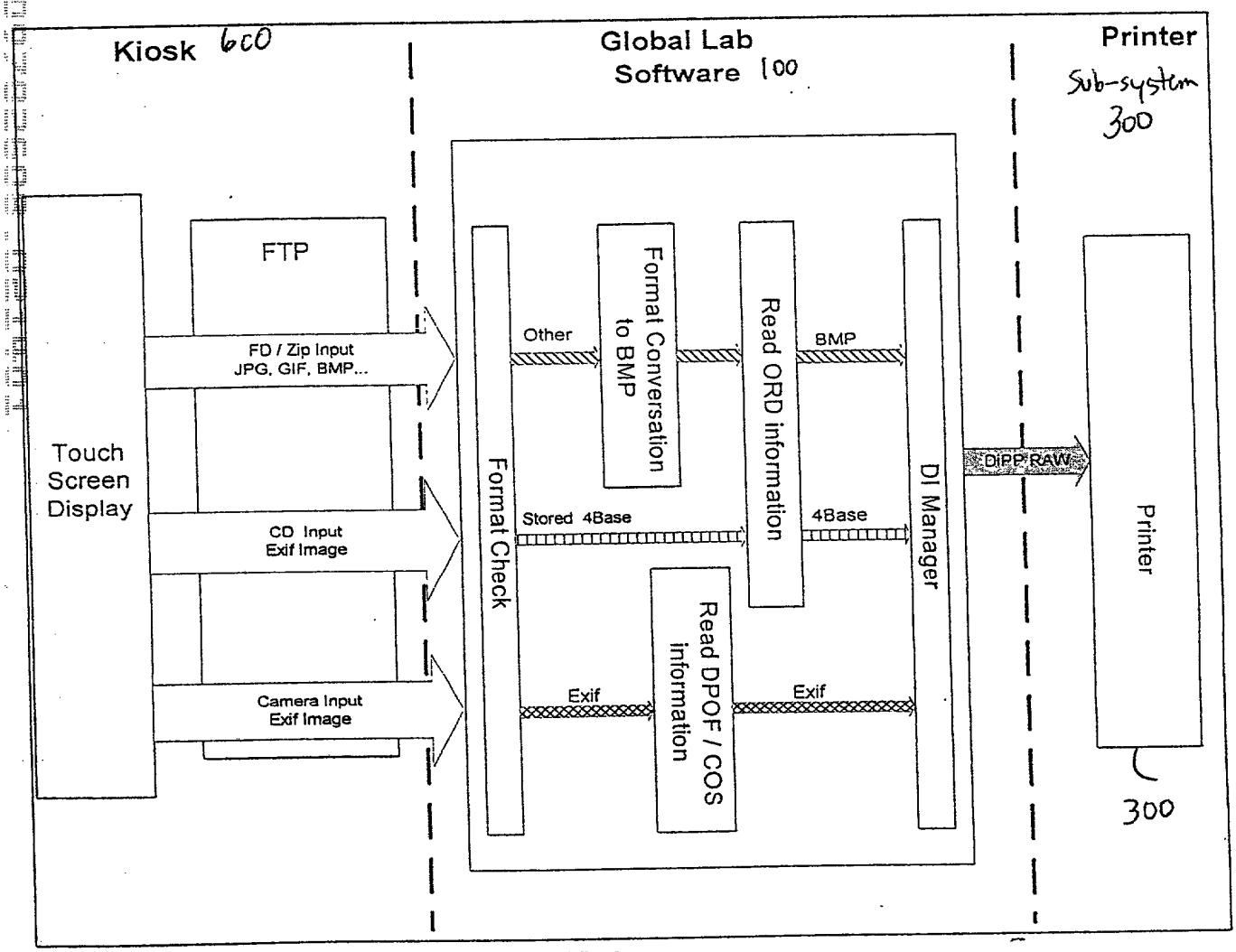

Kiosk 600
Global Lab Software 100
Printer Sub-system 300
FTP
FD / Zip Input JPG, GIF, BMP...
CD Input Exif Image
Camera Input Exif Image
Touch Screen Display
Format Check
Other
Format Conversation to BMP
BMP
Read ORD information
DI Manager
DiPP RAW
Printer
Stored 4Base
4Base
Exif
Read DPOF / COS information
Exif
300

Figure 8

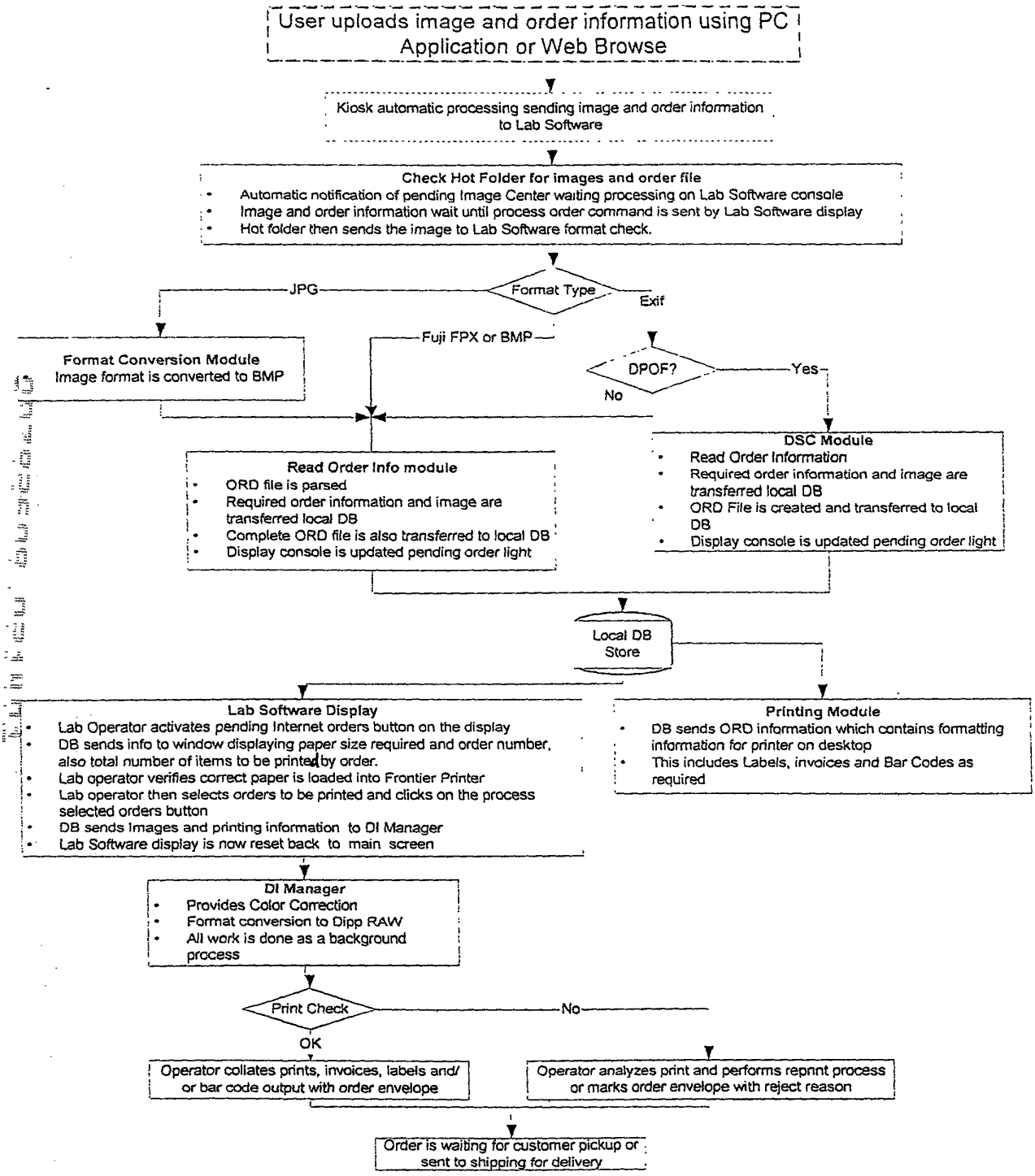

User uploads image and order information using PC Application or Web Browse
Kiosk automatic processing sending image and order information to Lab Software
Check Hot Folder for images and order file
Automatic notification of pending Image Center waiting processing on Lab Software console
Image and order information wait until process order command is sent by Lab Software display
Hot folder then sends the image to Lab Software format check.
Format Type
JPG
Exif
Fuji FPX or BMP
Format Conversion Module
Image format is converted to BMP
DPOF?
Yes
No
Read Order Info module
ORD file is parsed
Required order information and image are transferred local DB
Complete ORD file is also transferred to local DB
Display console is updated pending order light
DSC Module
Read Order Information
Required order information and image are transferred local DB
ORD File is created and transferred to local DB
Display console is updated pending order light
Local DB Store
Lab Software Display
Lab Operator activates pending Internet orders button on the display
DB sends info to window displaying paper size required and order number, also total number of items to be printed by order.
Lab operator verifies correct paper is loaded into Frontier Printer
Lab operator then selects orders to be printed and clicks on the process selected orders button
DB sends Images and printing information to DI Manager
Lab Software display is now reset back to main screen
Printing Module
DB sends ORD information which contains formatting information for printer on desktop
This includes Labels, invoices and Bar Codes as required
DI Manager
Provides Color Correction
Format conversion to Dipp RAW
All work is done as a background process
Print Check
No
OK
Operator collates prints, invoices, labels and/ or bar code output with order envelope
Operator analyzes print and performs reprint process or marks order envelope with reject reason
Order is waiting for customer pickup or sent to shipping for delivery

Figure 9

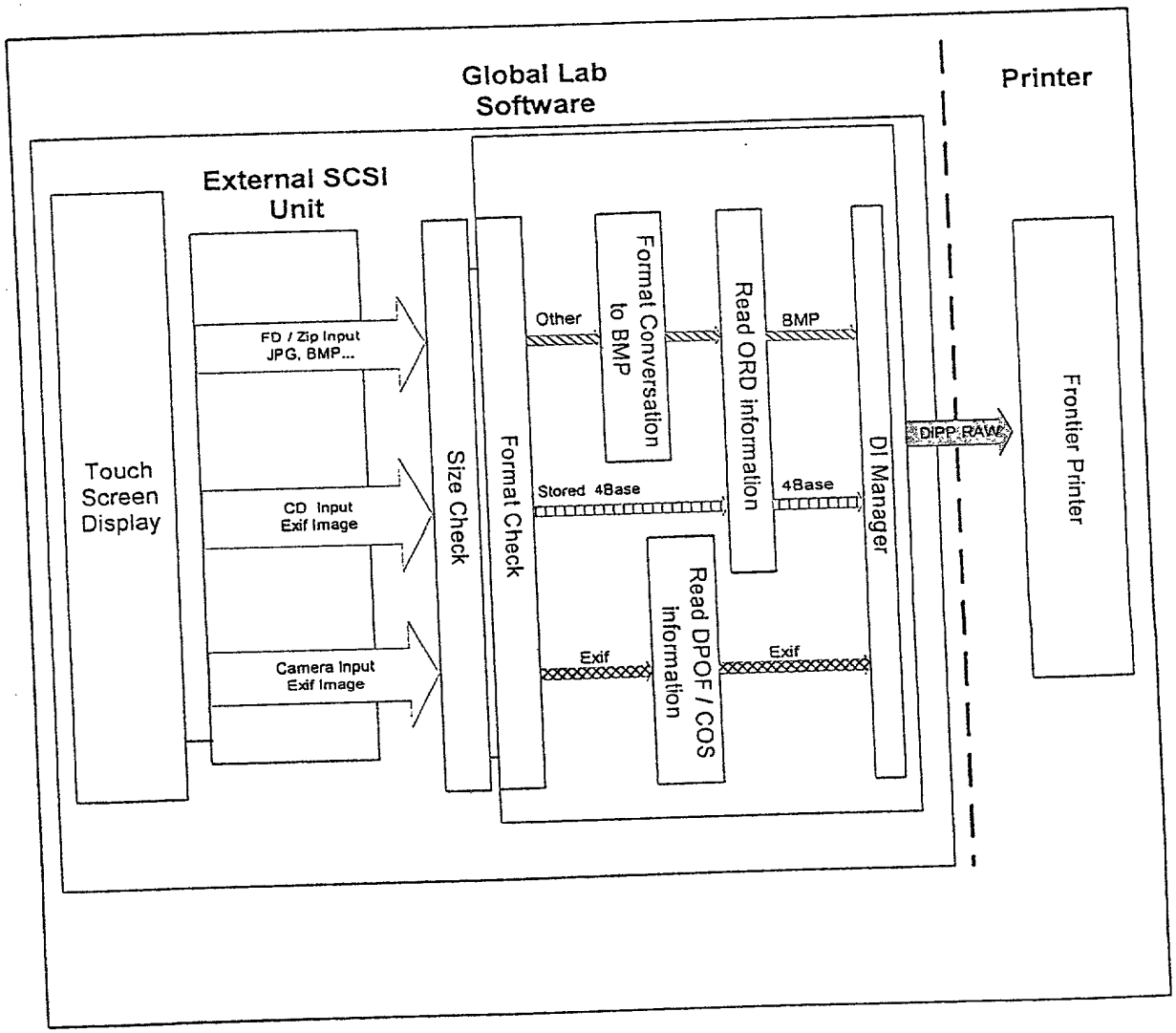

Global Lab Software
Printer
External SCSI Unit
Touch Screen Display
FD / Zip Input JPG, BMP...
CD Input Exif Image
Camera Input Exif Image
Size Check
Format Check
Other
Format Conversation to BMP
BMP
Read ORD information
DI Manager
DIPP RAW
Frontier Printer
Stored 4Base
4Base
Exif
Read DPOF / COS information
Exif

Figure 10

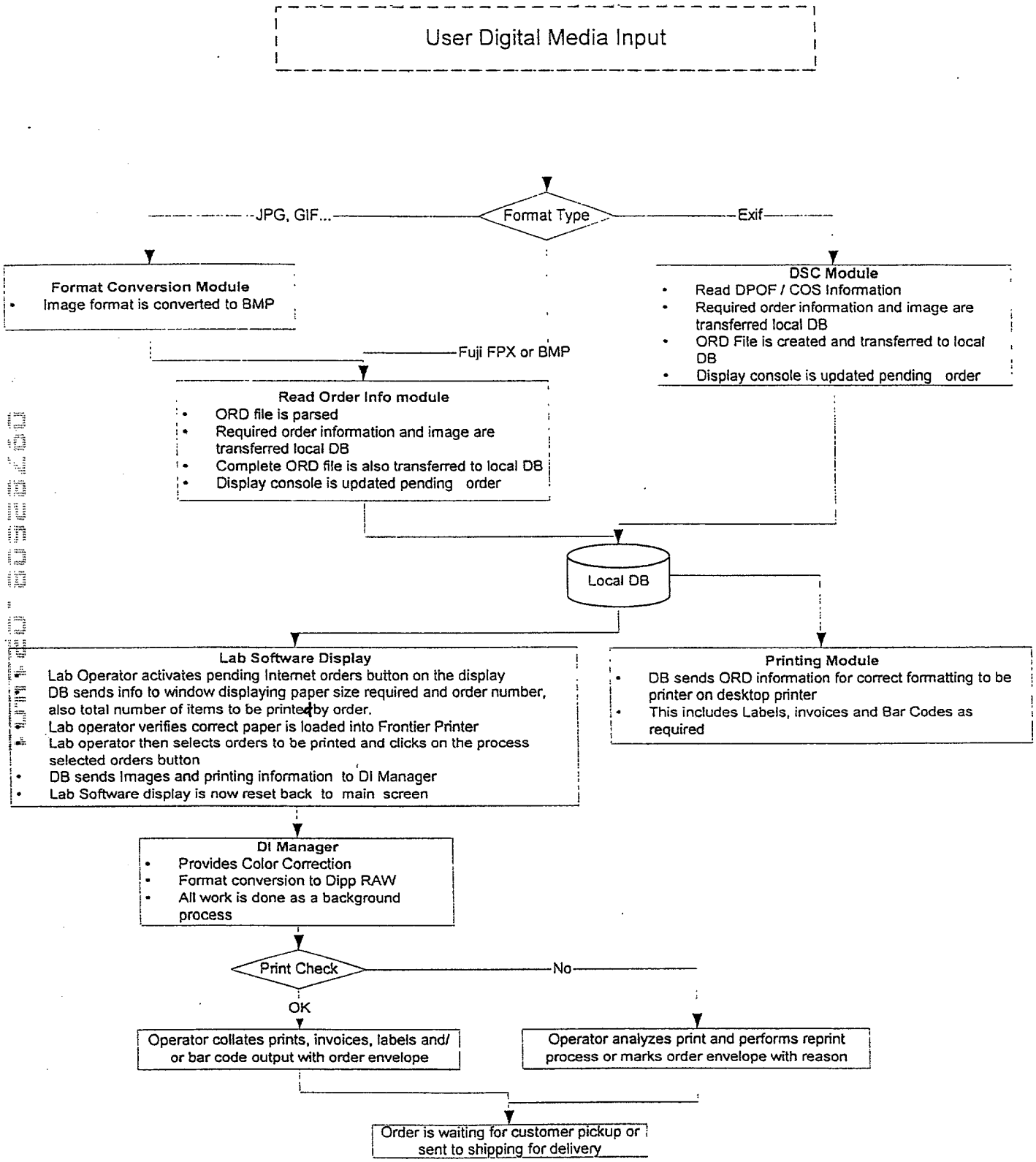

User Digital Media Input
Format Type
JPG, GIF...
Exif
Format Conversion Module
• Image format is converted to BMP
DSC Module
• Read DPOF / COS Information
• Required order information and image are transferred local DB
• ORD File is created and transferred to local DB
• Display console is updated pending order
Fuji FPX or BMP
Read Order Info module
• ORD file is parsed
• Required order information and image are transferred local DB
• Complete ORD file is also transferred to local DB
• Display console is updated pending order
Local DB
Lab Software Display
Lab Operator activates pending Internet orders button on the display
DB sends info to window displaying paper size required and order number, also total number of items to be printed by order.
Lab operator verifies correct paper is loaded into Frontier Printer
Lab operator then selects orders to be printed and clicks on the process selected orders button
• DB sends Images and printing information to DI Manager
• Lab Software display is now reset back to main screen
Printing Module
• DB sends ORD information for correct formatting to be printer on desktop printer
• This includes Labels, invoices and Bar Codes as required
DI Manager
• Provides Color Correction
• Format conversion to Dipp RAW
• All work is done as a background process
Print Check
No
OK
Operator collates prints, invoices, labels and/ or bar code output with order envelope
Operator analyzes print and performs reprint process or marks order envelope with reason
Order is waiting for customer pickup or sent to shipping for delivery

Figure 11

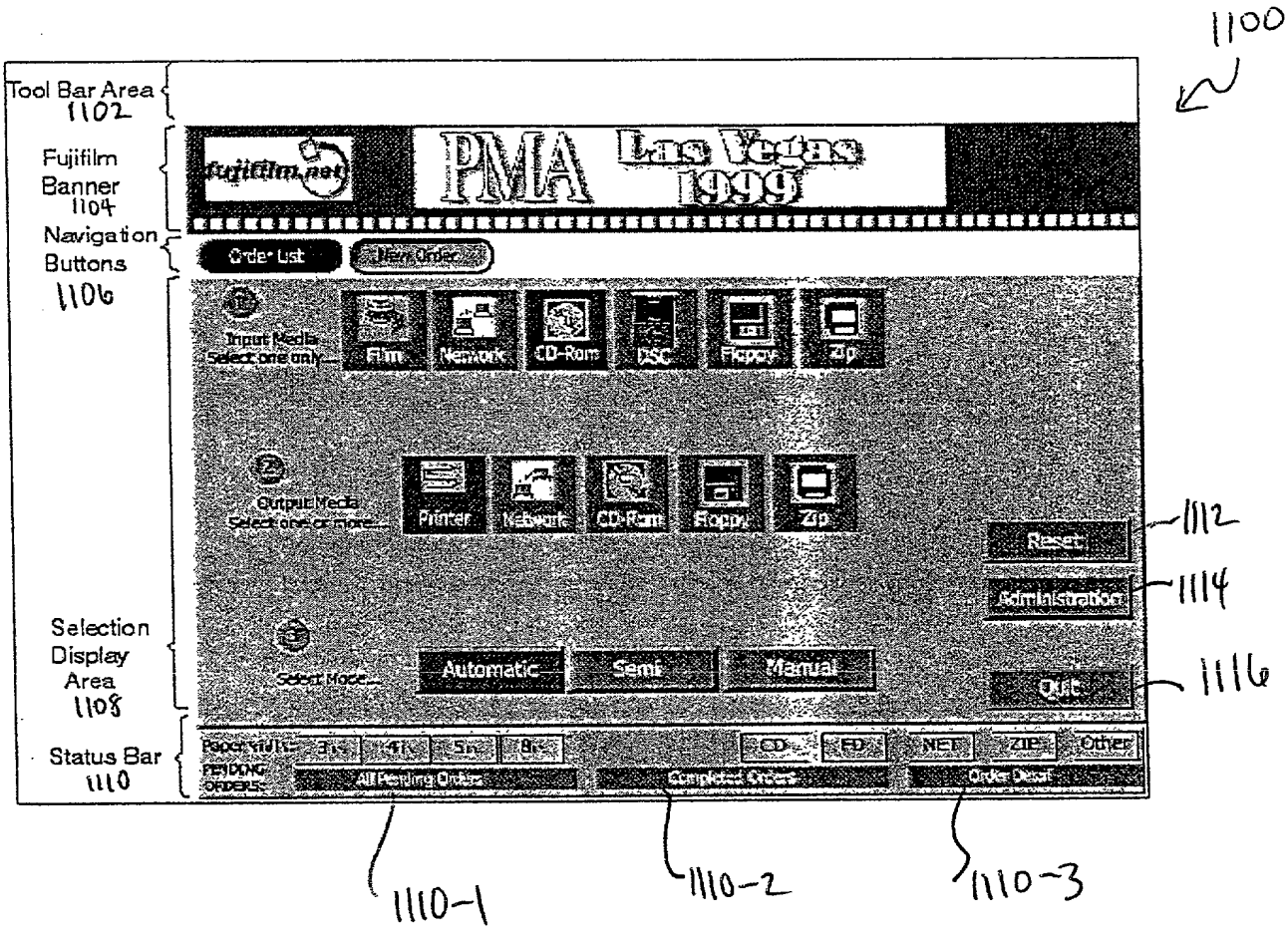

1100
Tool Bar Area
1102
Fujifilm Banner
1104
Navigation Buttons
1106
Selection Display Area
1108
Status Bar
1110
fujifilm.net
PMA
Las Vegas 1999
Order List
New Order
Input Media
Select one only
Film
Network
CD-Rom
DSC
Floppy
Zip
Output Media
Select one or more
Printer
Network
CD-Rom
Floppy
Zip
Select Mode
Automatic
Semi
Manual
Reset
Administration
Quit
1112
1114
1116
CD
FD
NET
ZIP
Other
All Pending Orders
Completed Orders
Order Detail
1110-1
1110-2
1110-3

Figure 12

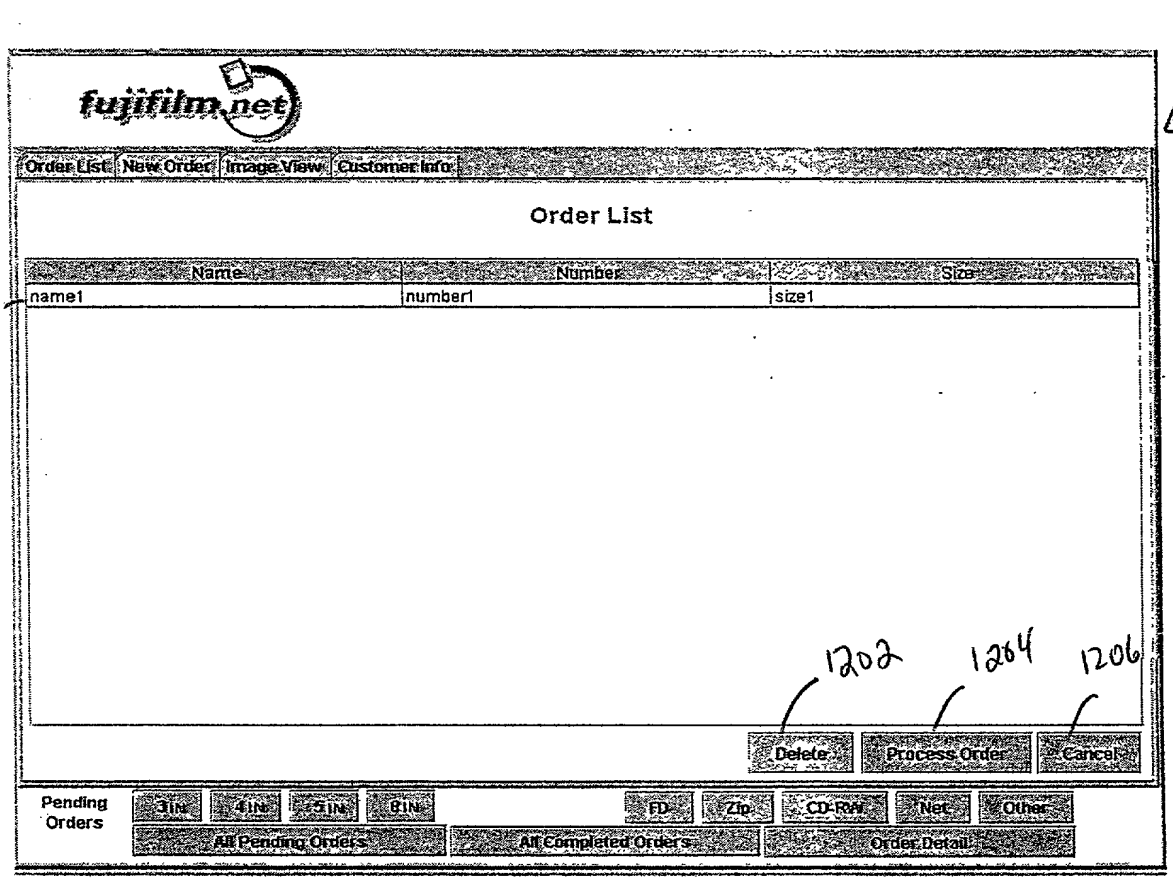
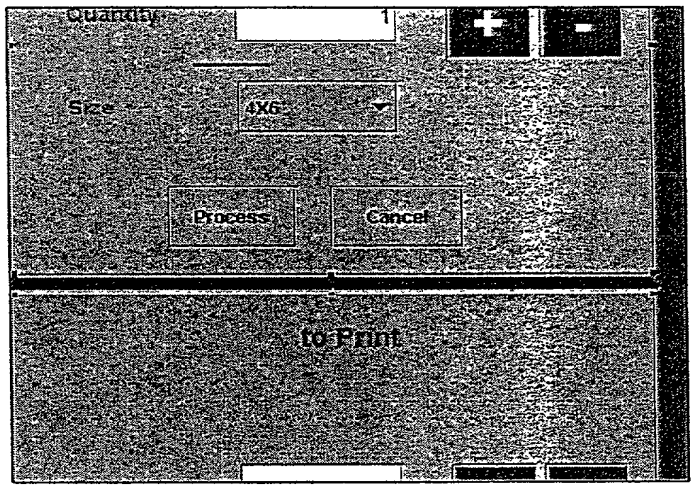

1200
fujifilm.net
Order List
New Order
Image View
Customer Info
Order List
Name
Number
Size
name1
number1
size1
1202
1204
1206
Delete
Process Order
Cancel
Pending Orders
3 IN
4 IN
5 IN
8 IN
FD
Zip
CD-RW
Net
Other
All Pending Orders
All Completed Orders
Order Detail

Figure 13.



1300

Figure 14

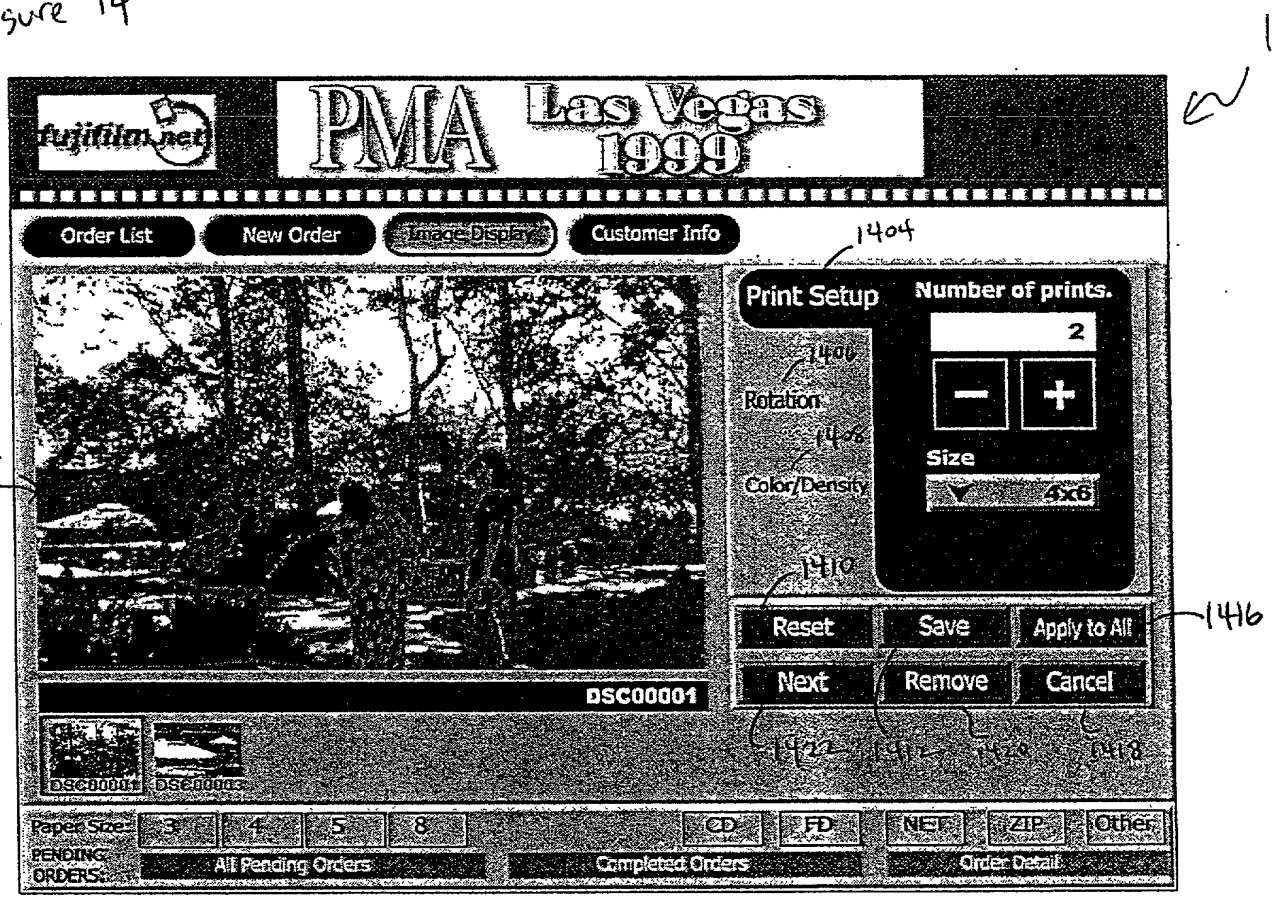

1400
fujifilm.net
PMA Las Vegas 1999
Order List
New Order
Image Display
Customer Info
1404
Print Setup
Number of prints.
2
1406
Rotation
1408
Color/Density
Size
4x6
1402
1410
Reset
Save
Apply to All
1416
Next
Remove
Cancel
1422
1412
1420
1418
DSC00001
DSC00001
DSC00003
Paper Size:
3
4
5
8
CD
FD
NET
ZIP
Other
PENDING ORDERS:
All Pending Orders
Completed Orders
Order Detail

Figure 15

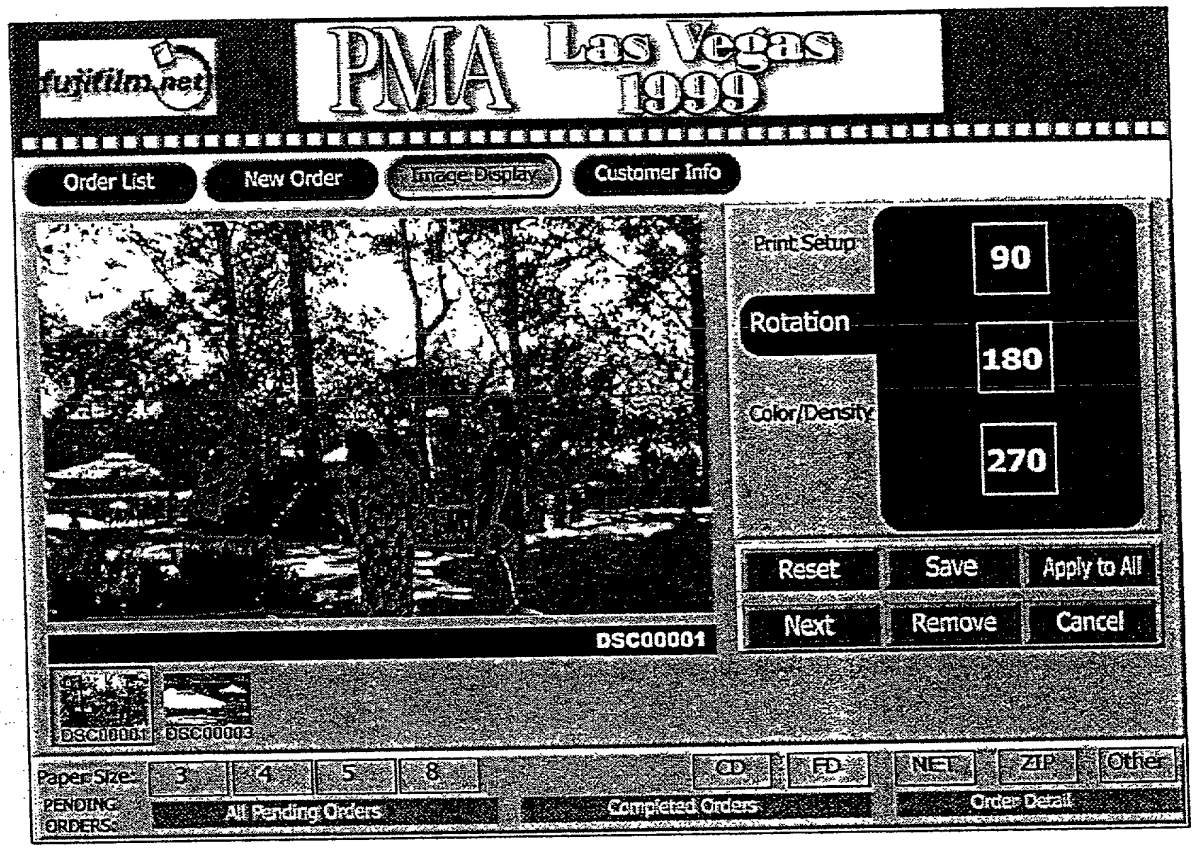

fujifilm.net
PMA Las Vegas 1999
Order List
New Order
Image Display
Customer Info
Print Setup
90
Rotation
180
Color/Density
270
Reset
Save
Apply to All
Next
Remove
Cancel
DSC00001
DSC00001
DSC00003
Paper Size:
3
4
5
8
CD
FD
NET
ZIP
Other
PENDING ORDERS:
All Pending Orders
Completed Orders
Order Detail

Figure 16

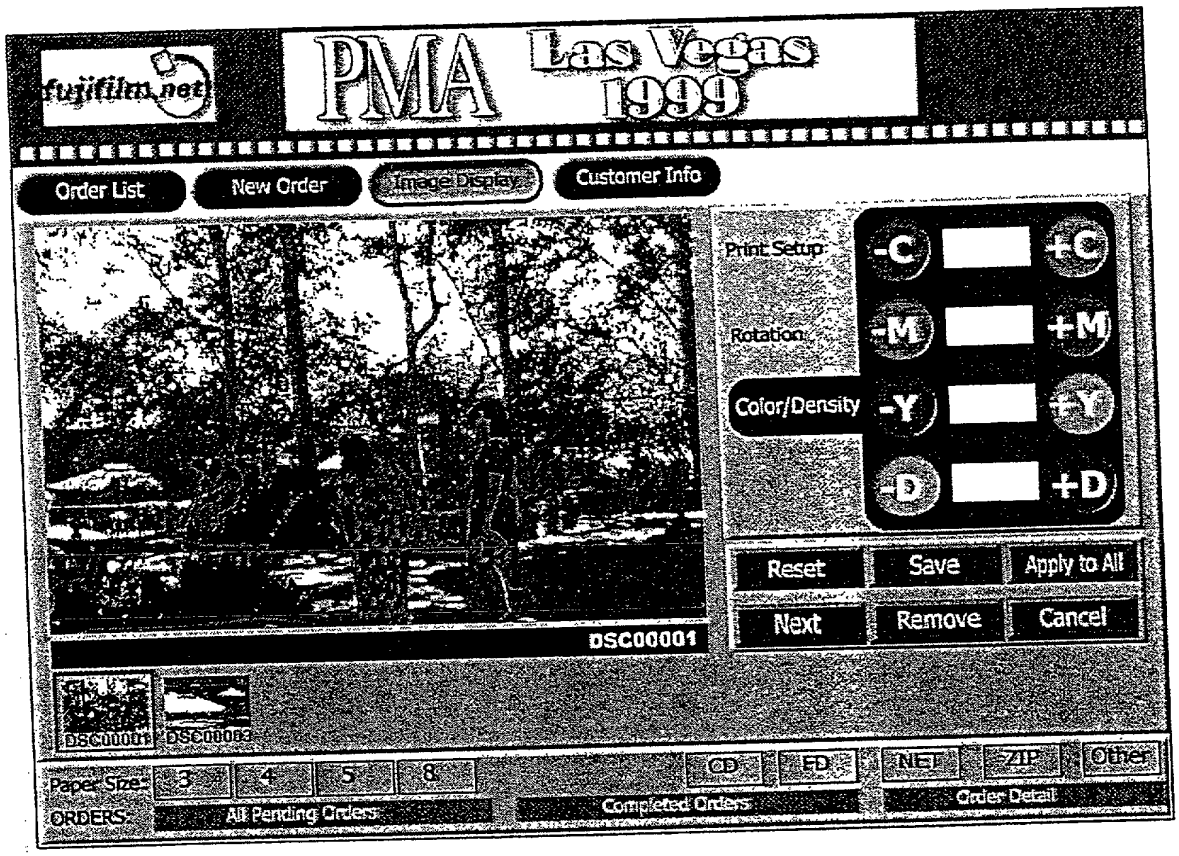

fujifilm.net
PMA Las Vegas 1999
Order List
New Order
Image Display
Customer Info
Print Setup
Rotation
Color/Density
-C
+C
-M
+M
-Y
+Y
-D
+D
Reset
Save
Apply to All
Next
Remove
Cancel
DSC00001
DSC00002
Paper Size:
3
4
5
8
CD
FD
NET
ZIP
Other
ORDERS:
All Pending Orders
Completed Orders
Order Detail

Figure 17

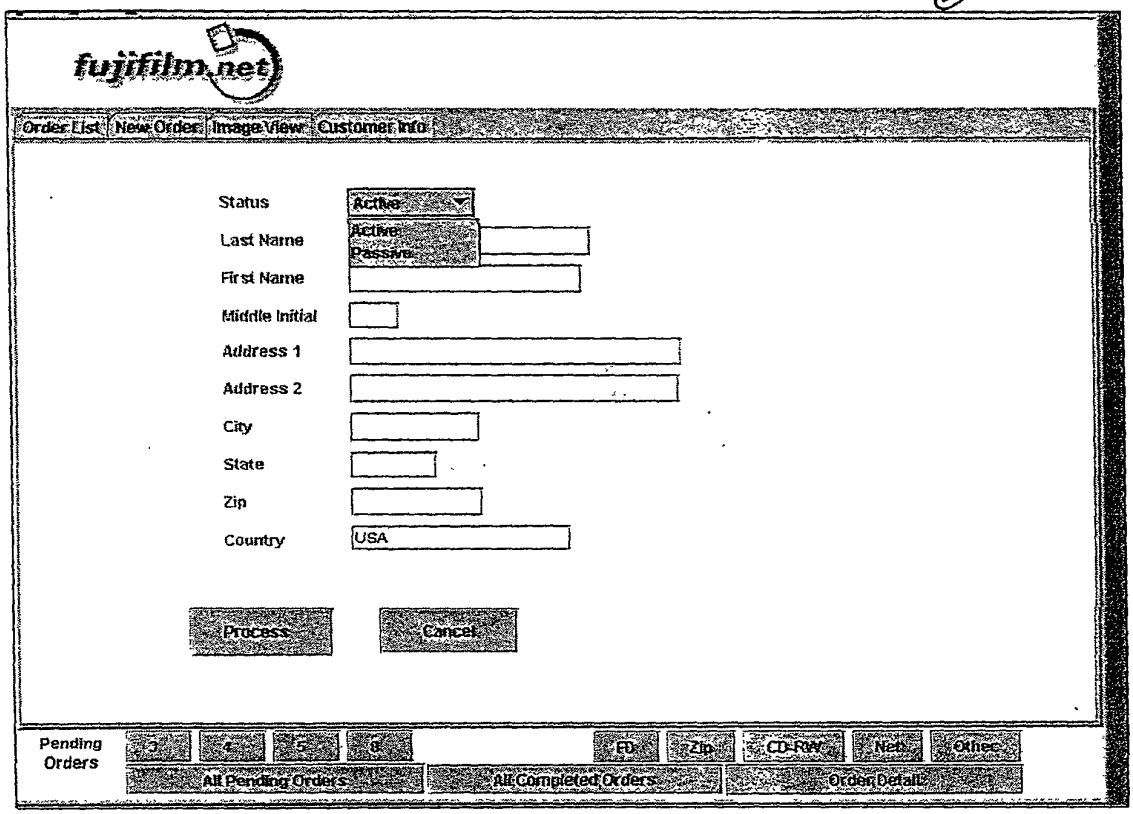
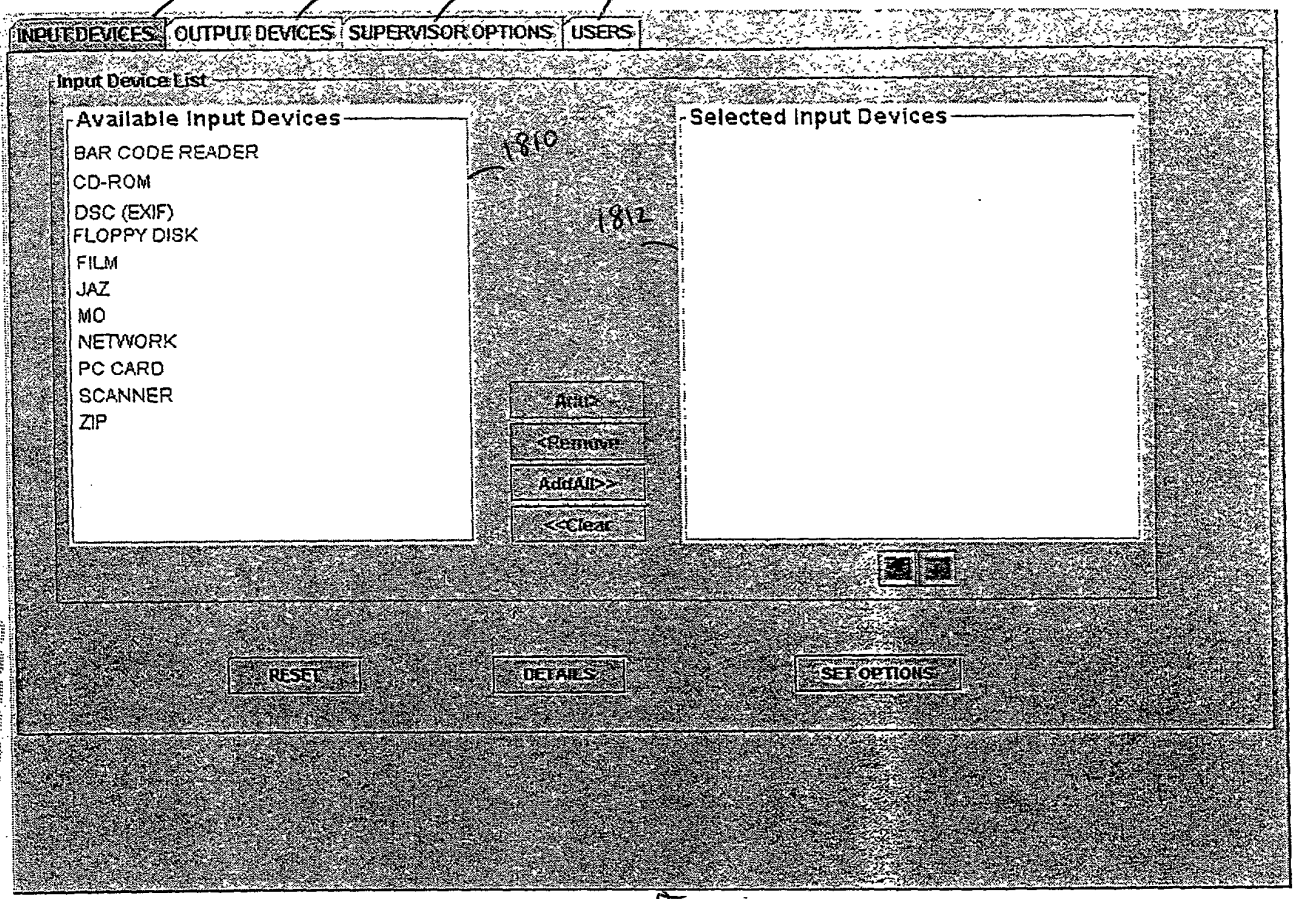

1700
fujifilm.net
Order List
New Order
Image View
Customer Info
Status
Active
Active
Passive
Last Name
First Name
Middle Initial
Address 1
Address 2
City
State
Zip
Country
USA
Process
Cancel
Pending Orders
3
4
5
6
FD
Zip
CD-RW
Net
Other
All Pending Orders
All Completed Orders
Order Detail

Figure 18



1800

Figure 19

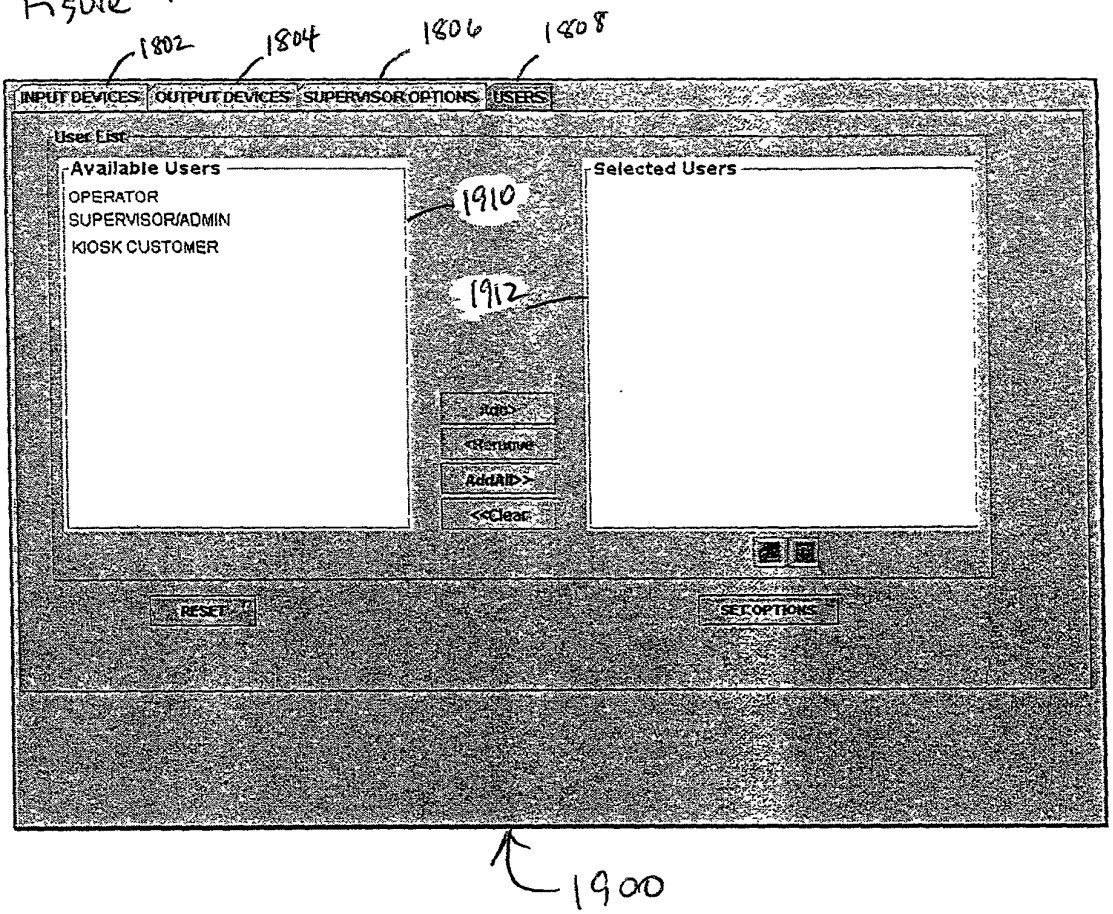

1802
1804
1806
1808
INPUT DEVICES
OUTPUT DEVICES
SUPERVISOR OPTIONS
USERS
User List
Available Users
OPERATOR
SUPERVISOR/ADMIN
KIOSK CUSTOMER
1910
1912
Add>
<Remove
Add All>
<<Clear
Selected Users
RESET
SET OPTIONS
1900

Figure 20

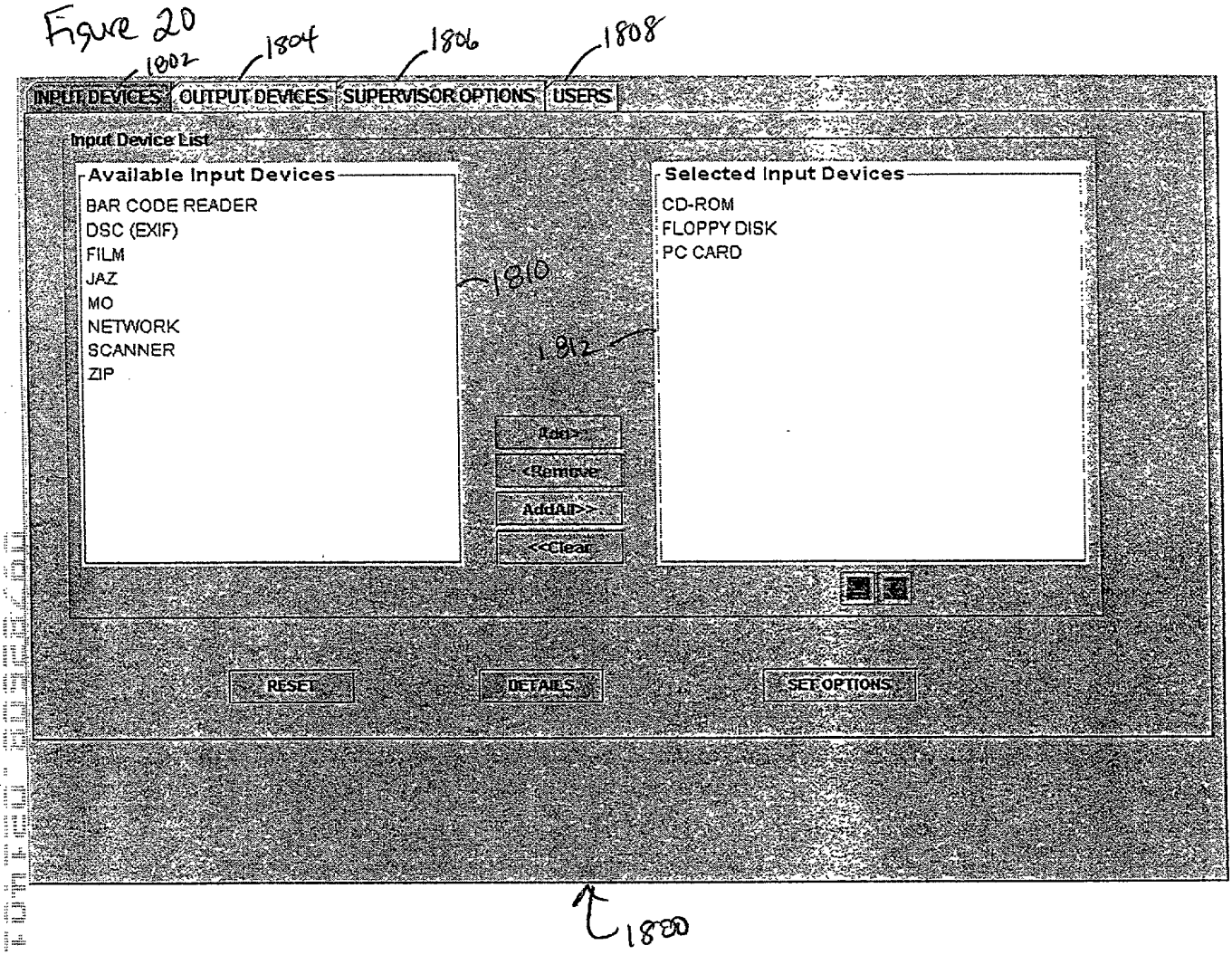
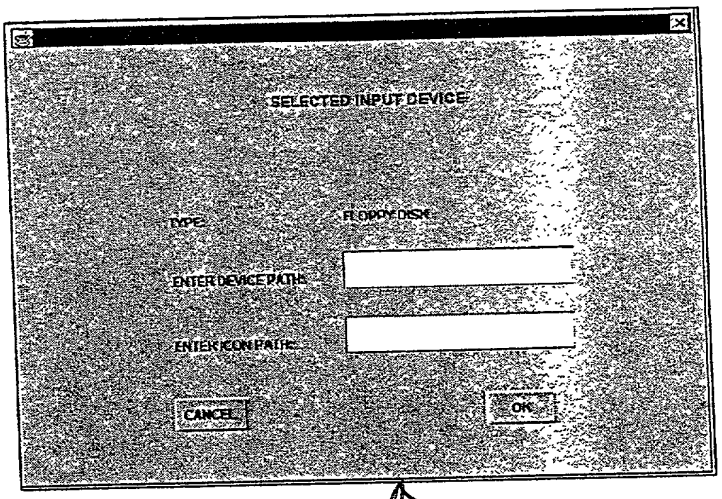

1802
1804
1806
1808
INPUT DEVICES
OUTPUT DEVICES
SUPERVISOR OPTIONS
USERS
Input Device List
Available Input Devices
BAR CODE READER
DSC (EXIF)
FILM
JAZ
MO
NETWORK
SCANNER
ZIP
1810
1812
Add>>
<Remove
AddAll>>
<<Clear
Selected Input Devices
CD-ROM
FLOPPY DISK
PC CARD
RESET
DETAILS
SET OPTIONS
1800

Figure 21



2100

Figure 22

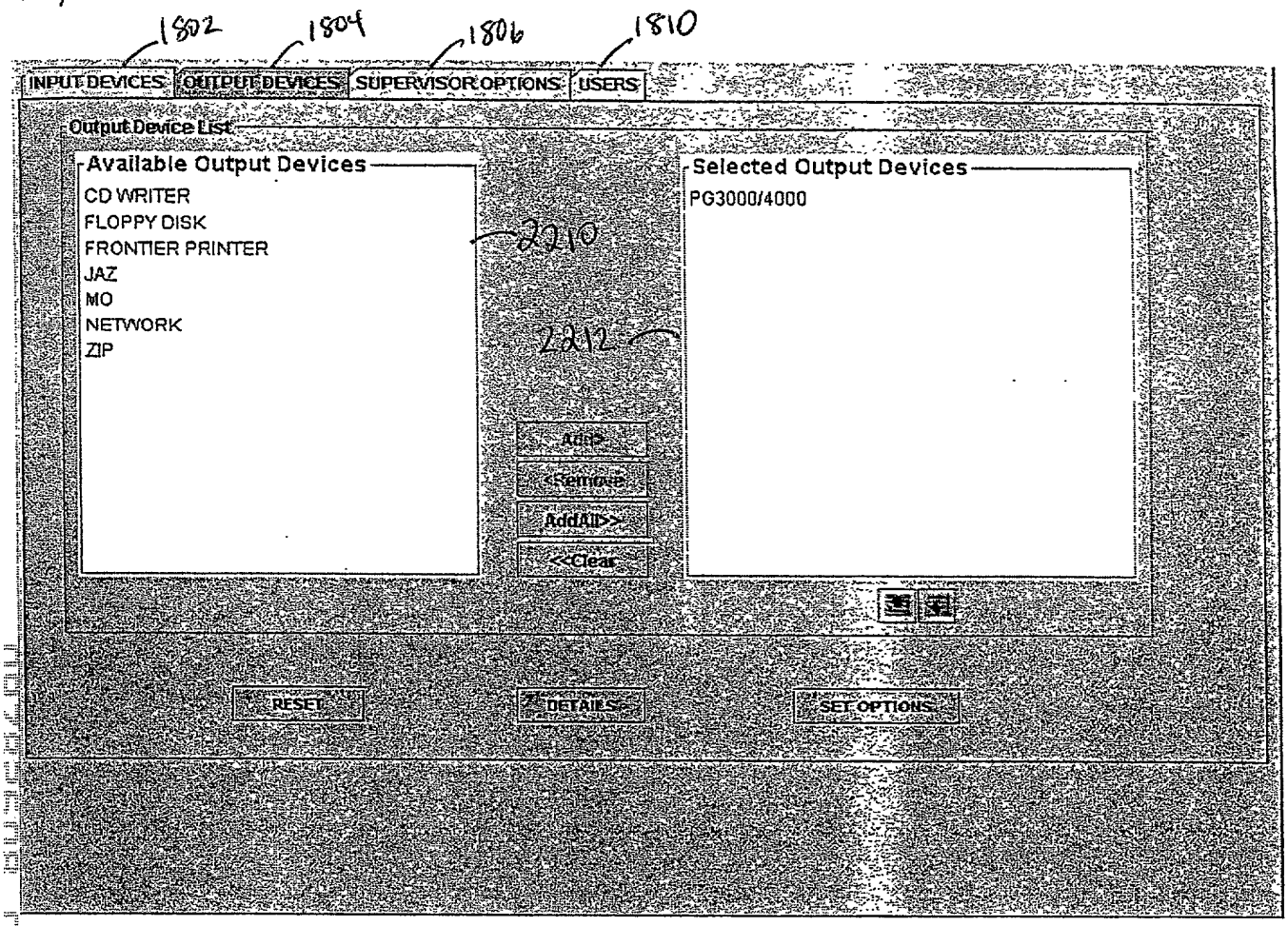


Figure 23

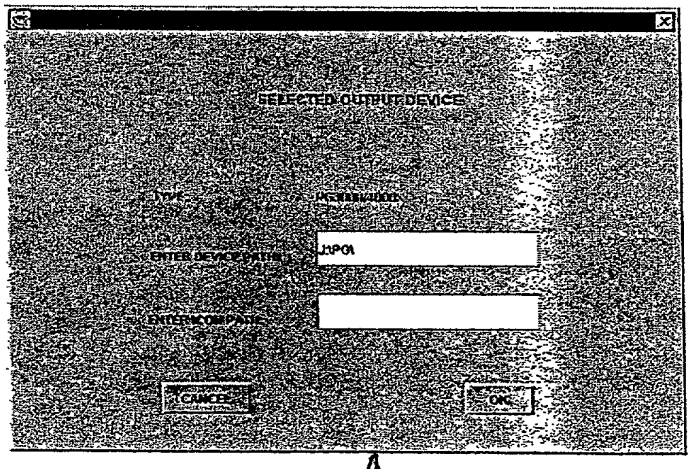
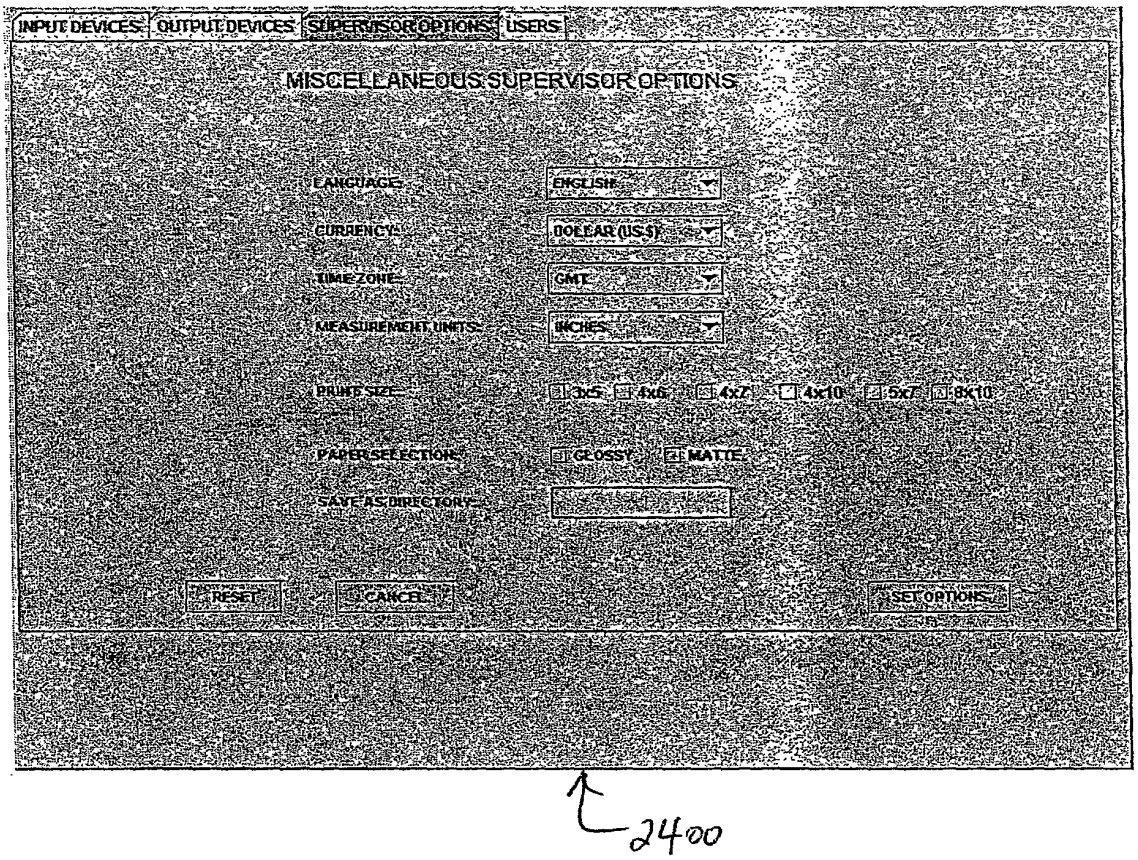


Figure 24


INPUT DEVICES
OUTPUT DEVICES
SUPERVISOR OPTIONS
USERS
MISCELLANEOUS SUPERVISOR OPTIONS
LANGUAGE:
ENGLISH
CURRENCY:
DOLLAR (US $)
TIME ZONE:
GMT
MEASUREMENT UNITS:
INCHES
PRINT SIZE:
3x5
4x6
4x7
4x10
5x7
8X10
PAPER SELECTION:
GLOSSY
MATTE
SAVE AS DIRECTORY:
RESET
CANCEL
SET OPTIONS
2400